

Fig.1

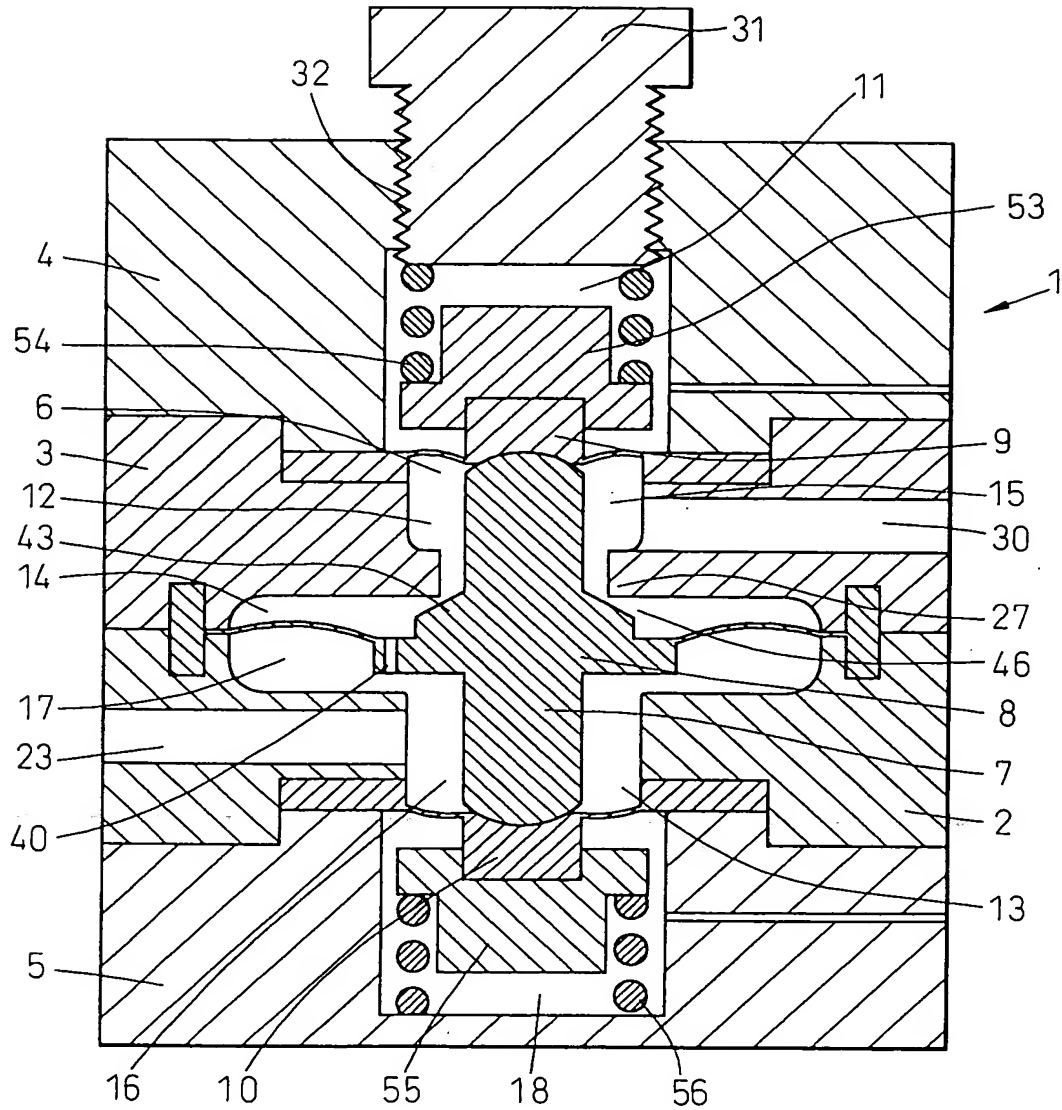


Fig.2

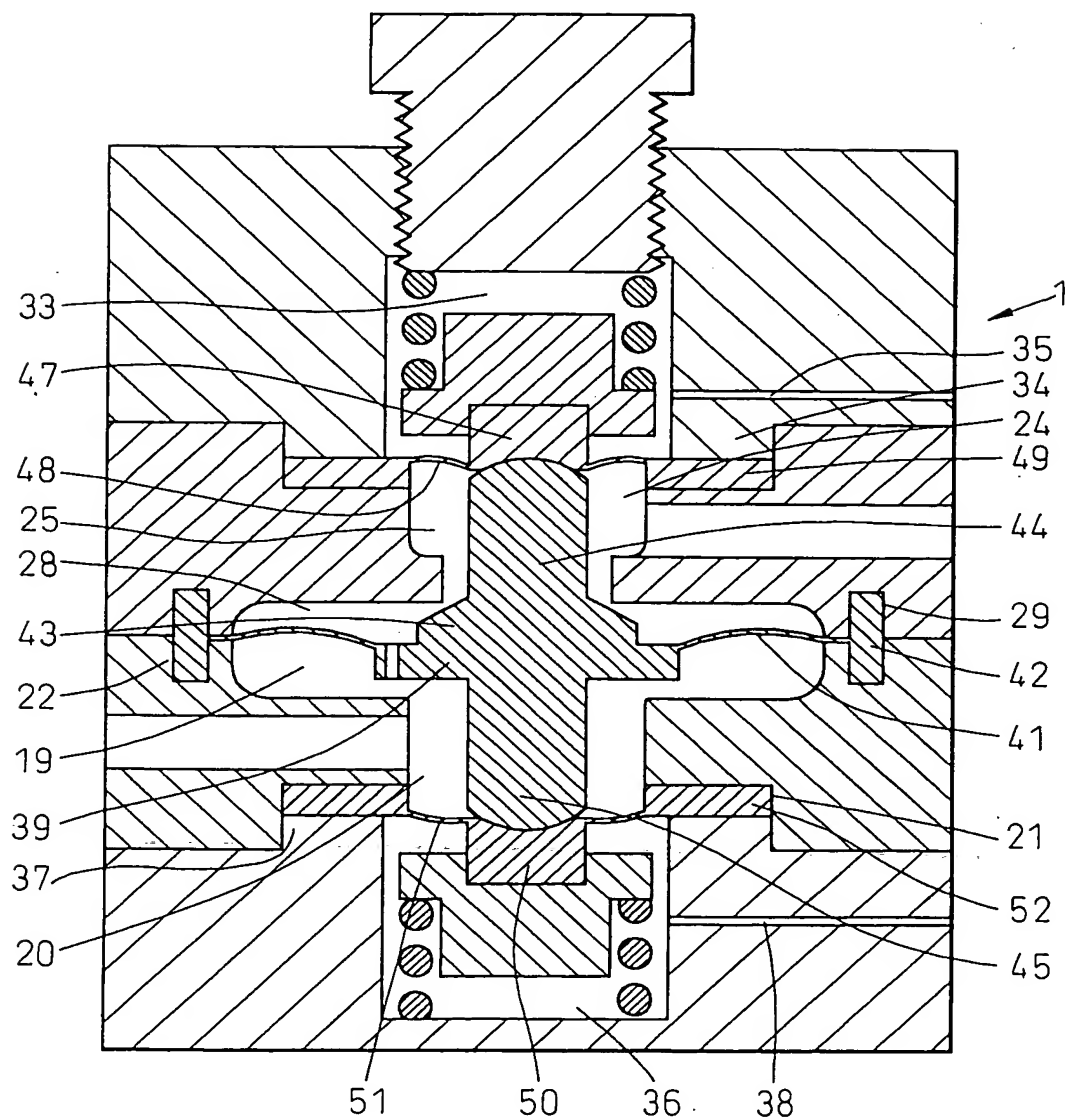


Fig.3

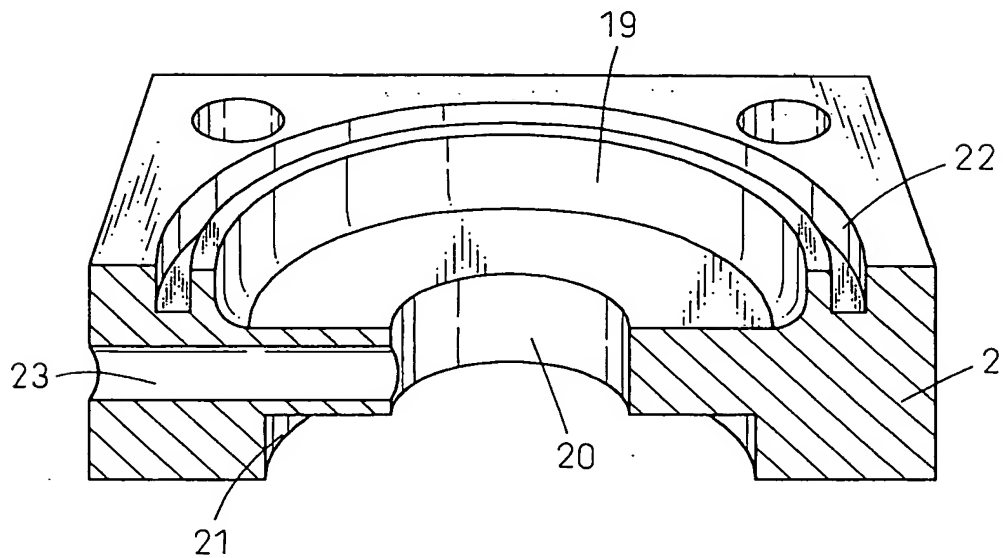


Fig.4

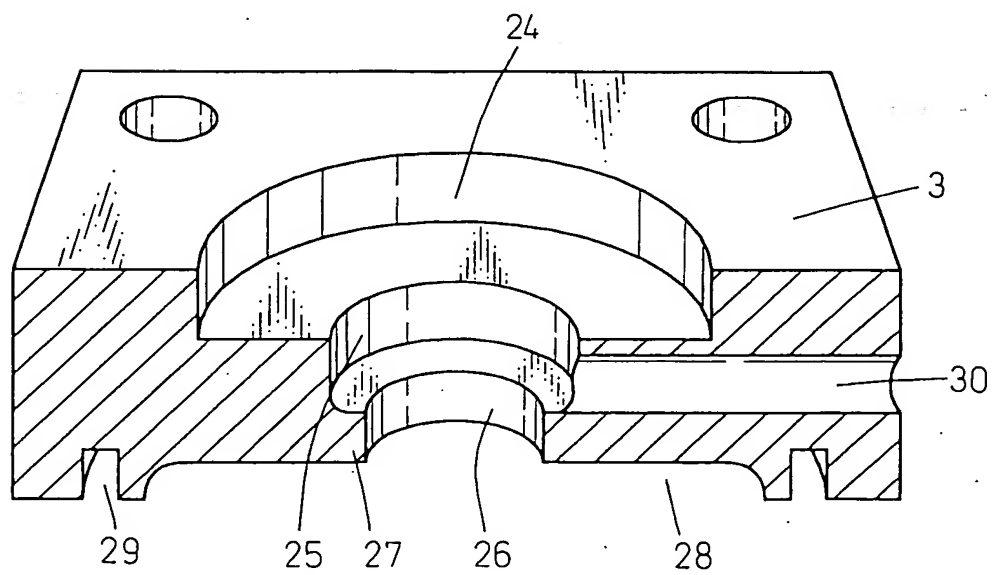


Fig.5

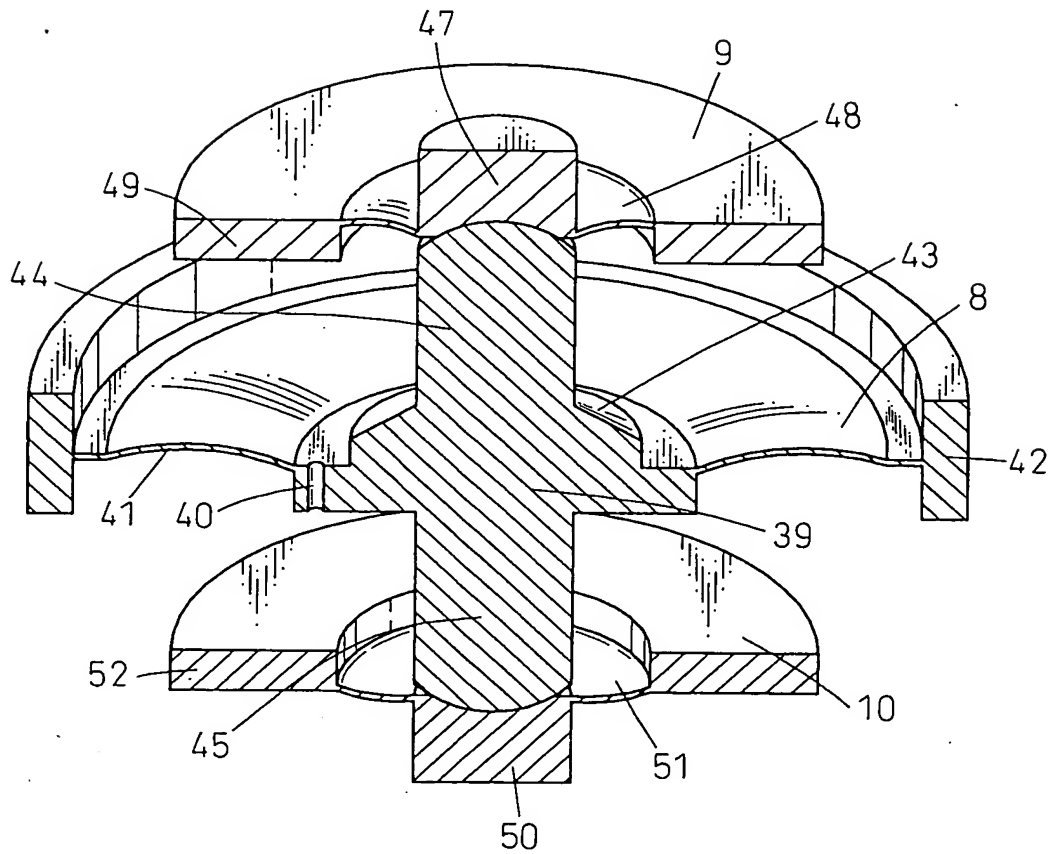


Fig. 6

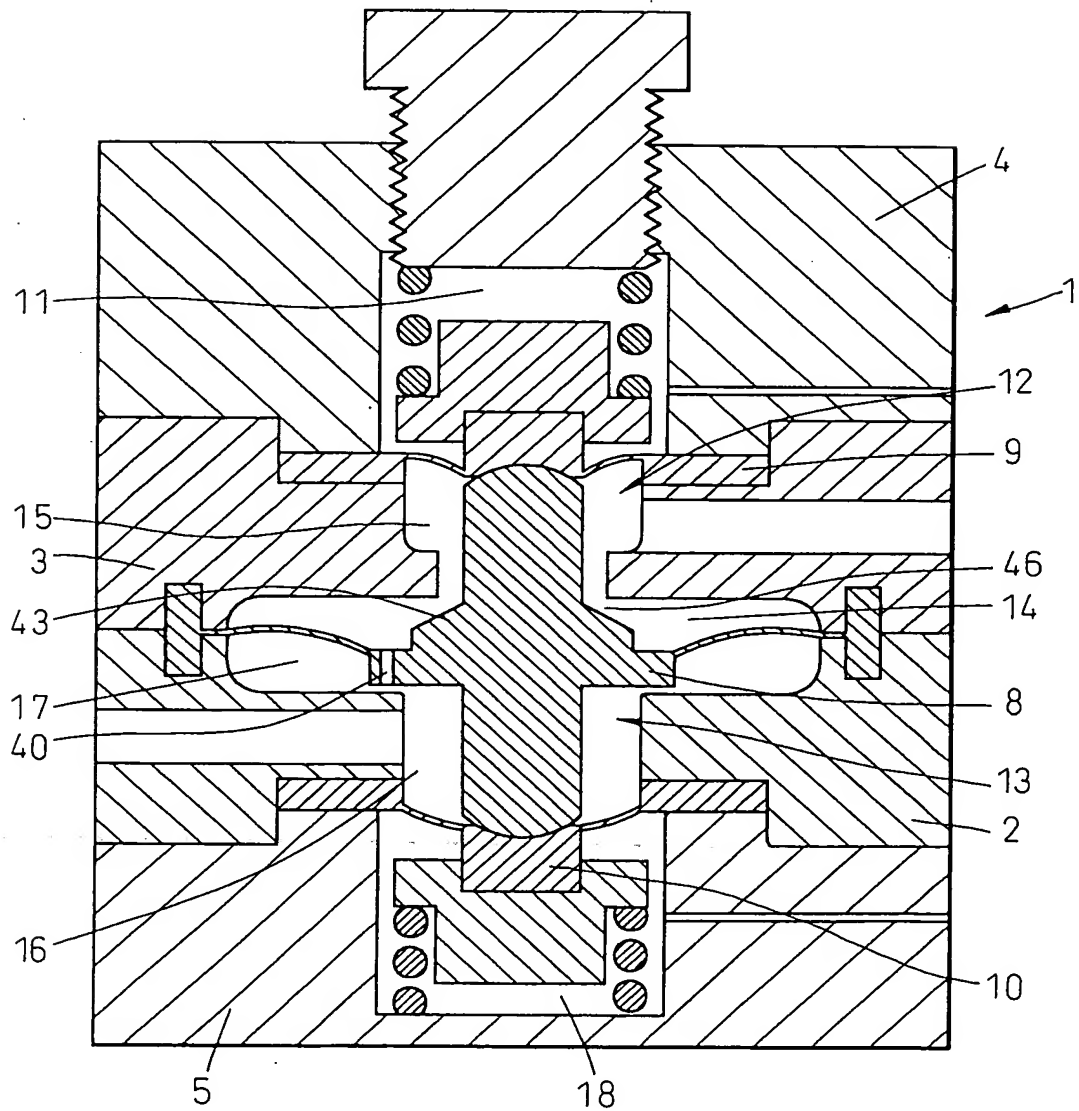


Fig.7

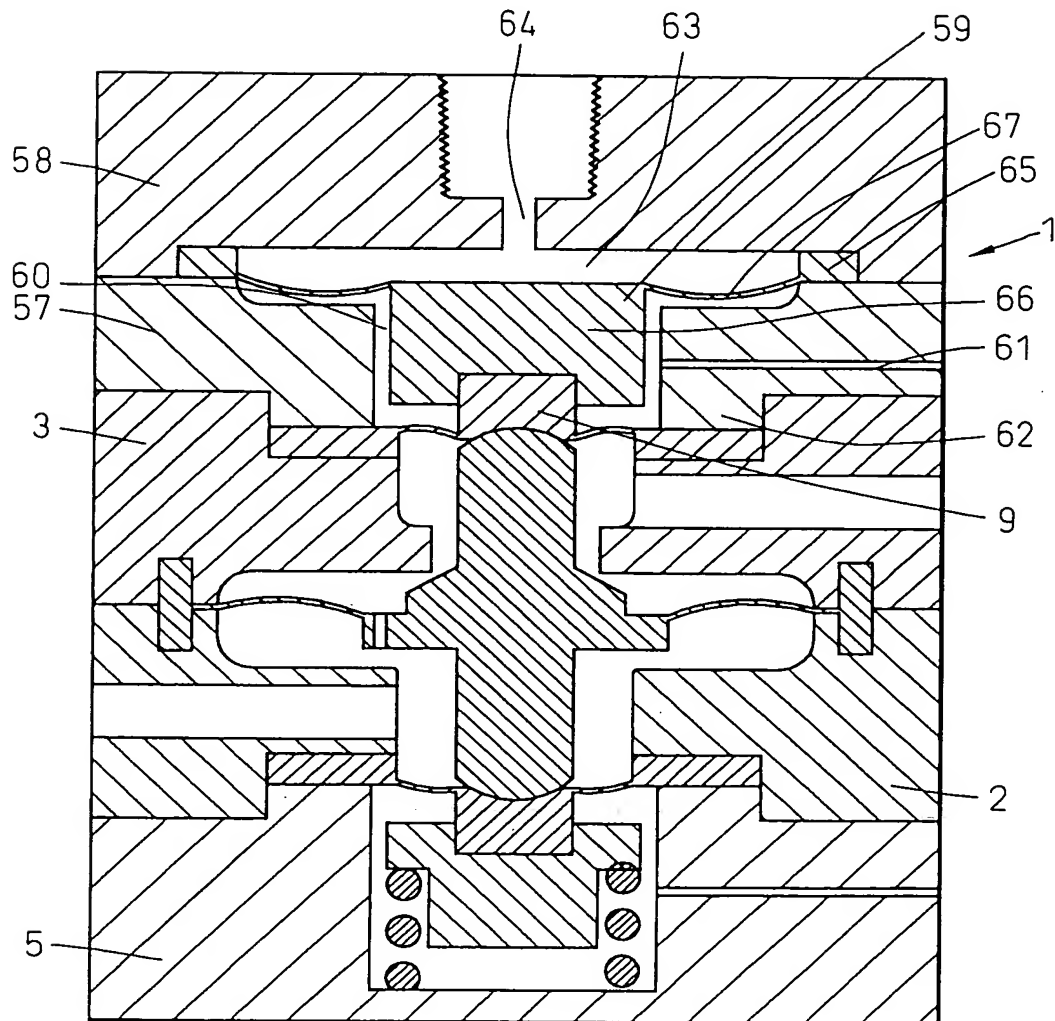
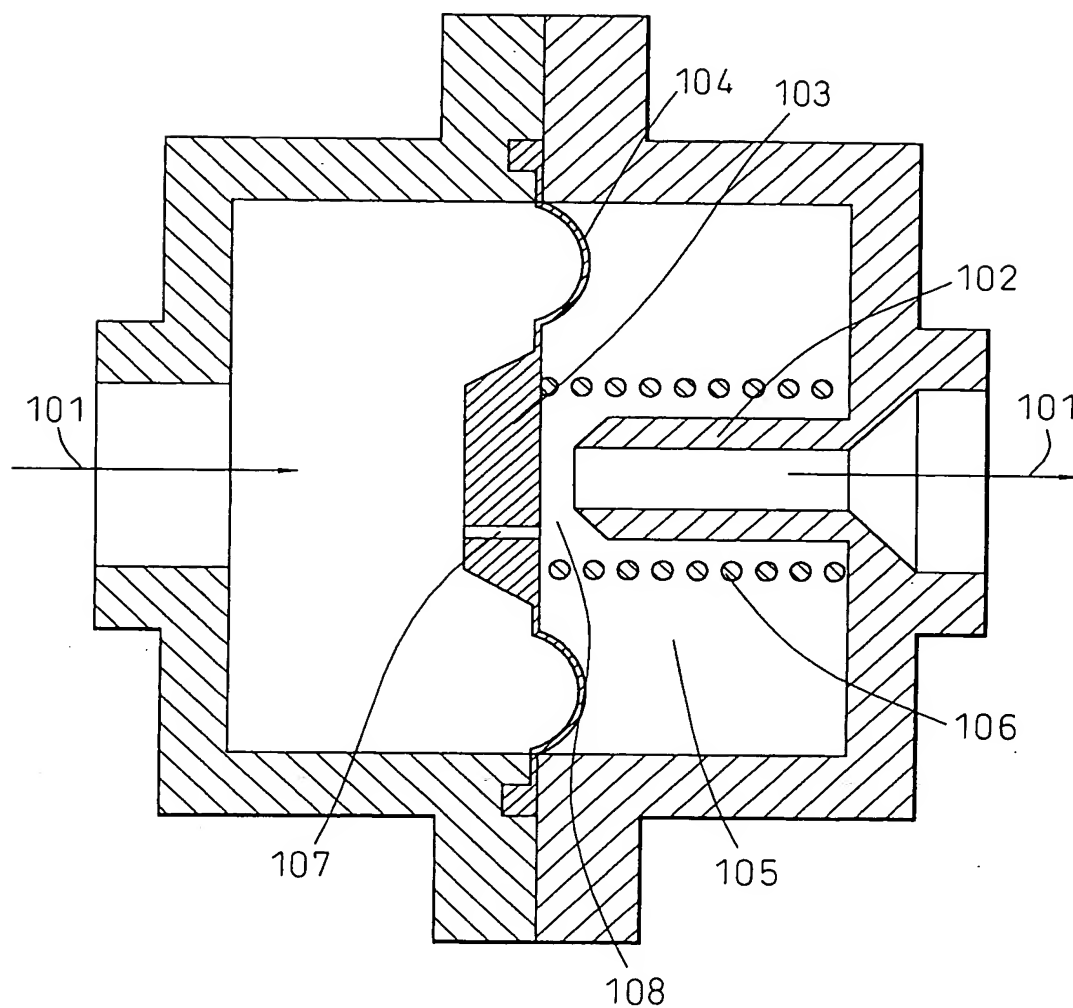


Fig. 8
PRIOR ART



LIST OF REFERENCE CHARACTERS

- 1 Body unit
- 2 Body-A
- 3 Body-B
- 4 Body-C
- 5 Body-D
- 6 Chamber
- 7 Valve member
- 8 First diaphragm
- 9 Second diaphragm
- 10 Third diaphragm
- 11 First pressure chamber
- 12 Second valve chamber
- 13 First valve chamber
- 14 Bottom second valve chamber
- 15 Top second valve chamber
- 16 Bottom first valve chamber
- 17 Top first valve chamber
- 18 Second pressure chamber
- 19 Top step difference
- 20 Hole
- 21 Bottom step difference
- 22 Ring-shaped groove
- 23 Inlet channel
- 24 Top step difference

- 25 Hole
- 26 Opening
- 27 Valve seat
- 28 Bottom step difference
- 29 Ring-shaped groove
- 30 Outlet channel
- 31 Bolt
- 32 Female thread
- 33 Hole (Bore)
- 34 Ring-shaped projection
- 35 Air vent
- 36 Hole (Bore)
- 37 Ring-shaped projection
- 38 Air vent
- 39 Thick part
- 40 Communication hole
- 41 Thin film
- 42 Ring-shaped rib
- 43 Valve body
- 44 Top rod
- 45 Bottom rod
- 46 Fluid control part
- 47 Thick part
- 48 Thin film
- 49 Ring-shaped seal

- 50 Thick part
- 51 Thin film
- 52 Ring-shaped seal
- 53 Spring holder
- 54 Spring
- 55 Spring holder
- 56 Spring
- 57 Body-E
- 58 Body-F
- 59 Fourth diaphragm
- 60 Diaphragm chamber
- 61 Air vent
- 62 Ring-shaped projection
- 63 Air chamber
- 64 Air feed port
- 65 Cylindrical rib
- 66 Columnar part
- 67 Film